

## Hammar

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- [54] **ACRYLATE AND METHACRYLATE  
MONOMERS AND POLYMERS**
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- [73] Assignee: **Minnesota Mining and  
Manufacturing Company, St. Paul,  
Minn.**
- [21] Appl. No.: **735,377**
- [22] Filed: **May 17, 1985**

### Related U.S. Application Data

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|------|--|------------------------------|
| [63] | Continuation-in-part of Ser. No. 500,782, Jun. 3, 1983,<br>Pat. No. 4,578,504. |                              |
| [51] | Int. Cl. <sup>4</sup> .....  | C08F 14/18                   |
| [52] | U.S. Cl. ....  | 526/245; 526/249;<br>526/279 |
| [58] | Field of Search .....  | 526/245, 249, 279            |
| [56] | References Cited   |                              |

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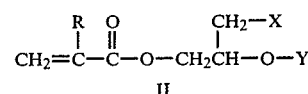
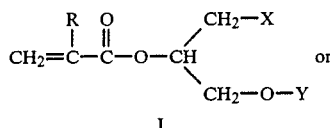
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[57] **ABSTRACT**

Polymerizable monomer compounds selected from the group having the formulae:

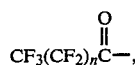


wherein

R is hydrogen or methyl;

X is fluoro, chloro, bromo, iodo, perfluoroalkylsulfonyloxy of one to three carbon atoms, perfluoroacyloxy of one to three carbon atoms, benzoyloxy, or trichloroacetoxy;

Y is trichloroacetyl, perfluoroacyl of the formula



trialkylsilyl of the formula  $[\text{CH}_3(\text{CH}_2)_m]_3\text{Si}-$ ; wherein n is zero to six; and m is zero to three.

Polymers and copolymers of the invention are useful for preparing hydrogel processed articles such as ophthalmic devices, and when dissolved in solvents they can be coated onto articles and then hydrolyzed to provide hydrogel coatings.

## 24 Claims, No Drawings